



# Inclusive New Media Design

including people with intellectual disabilities in the WWW

Key Barriers	Quick Checks	Example Sites
<p><b>Use of text as content:</b>            High Reading Comprehension Level  <i>(Population's median reading level is 7 years; highest reading levels peak under 11 years)</i>            Requiring unfamiliar text input</p> <p><b>Use of language:</b>            Reliance on jargon or abstract language            Use of complex vocabulary            Long sentences and phrases            Too many information carrying words</p> <p><b>Information processing:</b>            Page verbosity            Mono-modal presentation            Fast paced multimedia            Requirements for information recall            Long session requirements</p> <p><b>Navigation and orientation:</b>            Reliance on multi-level navigation            Complex structural metaphors            Text based navigation, filtering and sorts            Hidden or contextual menu options</p> <p><b>Access to technology:</b>            Poor access to recent IT            Poor access to AT &amp; personalised browser</p> <p><b>Self-help and problem solving:</b>            Requirements to install plugins            Requirements to change settings</p>	<ul style="list-style-type: none"> <li>✓ Core content does not rely on text</li> <li>✓ All text content has a contextually presented audio equivalent</li> <li>✓ Key concepts are illustrated by images or AAC symbols</li> <li>✓ AAC symbolised sentences do not extend beyond a single line</li> <li>✓ AAC symbols maintain a vertical relationship with text qualifiers</li>   <li>✓ The simplest form of language is always used</li> <li>✓ Phrases consider a single concept or a single keyword only</li> <li>✓ Paragraphs are formed by no more than 3 short phrases</li> <li>✓ All the jargon &amp; complex vocabulary included is required content</li> <li>✓ Glossary is inline, as tooltips or adjacent to the content it supports</li> <li>✓ Keywords and concepts are repeated and/or stressed</li>   <li>✓ Decorative and non-content images can be removed</li> <li>✓ Vertical margins are generous <i>eg &gt; 300% line height</i></li> <li>✓ Horizontal margins are generous <i>eg &gt;10% page width</i></li> <li>✓ Pace of multimedia presentation can be adjusted</li> <li>✓ Partial input can be saved and revisited in later sessions</li> <li>✓ Video content uses symbolised or image-based captioning</li>   <li>✓ Site navigation does not rely on text</li> <li>✓ Site structure cannot be simplified further</li> <li>✓ All navigation menu options are visible by default</li> <li>✓ Filters and sort controls are iconified</li> <li>✓ Search is not the sole means of productive site navigation</li>   <li>✓ Prominent controls allow text to be resized</li> <li>✓ Prominent controls allow colour contrast to be adjusted</li> <li>✓ A sans-serif or clear cursive font is used or can be selected easily</li>   <li>✓ Required plug-ins or add-ons can be installed without leaving the site</li> <li>✓ Contextual help provided if changes to browser settings are needed</li> </ul>	<p><b>Example Sites</b></p> <p>The following sites meet many of the criteria page left. Most of these sites were produced for and tested by users with intellectual disabilities</p> <p><a href="http://www.cornwallpeoplefirst.com/">http://www.cornwallpeoplefirst.com/</a></p> <p><a href="http://www.symbolworld.org/">http://www.symbolworld.org/</a></p> <p><a href="http://www.helpscheme.co.uk/en/easyread/">http://www.helpscheme.co.uk/en/easyread/</a></p> <p><a href="http://www.askability.org.uk/">http://www.askability.org.uk/</a></p> <p><a href="http://www.abilitynet.org.uk/easy/">http://www.abilitynet.org.uk/easy/</a></p> <p><a href="http://www.ckuk.org.uk/">http://www.ckuk.org.uk/</a></p> <p><a href="http://newhameasyread.org/">http://newhameasyread.org/</a></p> <p><a href="http://www.learningdisabilitycoalition.org.uk/">http://www.learningdisabilitycoalition.org.uk/</a></p> <hr/> <p><b>Useful Links</b></p> <hr/> <p><b>Server-side Symbolisation</b>  <a href="http://www.widgit-online.com/">http://www.widgit-online.com/</a>  <a href="http://www.symbolnet.org/">http://www.symbolnet.org/</a></p> <p><b>Text-to-speech Solutions</b>  <a href="http://www.browsealoud.com/">http://www.browsealoud.com/</a>  <a href="http://www.voiceforge.com/">http://www.voiceforge.com/</a>  <a href="http://www.readspeaker.com/">http://www.readspeaker.com/</a></p> <p><b>Content Image and Symbol Banks</b>  <a href="http://www.photosymbols.co.uk/">http://www.photosymbols.co.uk/</a>  <a href="http://www.changepeople.co.uk/">http://www.changepeople.co.uk/</a>  <a href="http://www.sclera.be/">http://www.sclera.be/</a></p>

